

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Purchased Item	Description Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO039920	MCM001-VU	1	1 2% 10 Net 30	90177A213	Split Ring Zinc-Plated Steel Split Ring 1 ^{mm} OD, 13/16 ^{mm} ID, 1/8 ^{mm} Thick			100	5/22/2018	100	S073058	Stock	5/22/2018	\$ 0.13 / Ea	0	\$12.94	McMaster-Carr Supply Co,		
		2		C10-7	Locating Pin					100	S072955	Stock	5/22/2018	\$ 0.28 / pcs	0	\$28.36	McMaster-Carr Supply Co,		
		3		MDELNR5-000W	M'Deirin Round Bar, White			3		3	S073092	Stock	5/22/2018	\$ 144.05 / ft	0	\$432.15	McMaster-Carr Supply Co,		
		4		8920K22	Low Carbon Steel Rod, 6mm dia, 3' Long receive ea			6		6	S073090	Stock	5/22/2018	\$ 1.59 / ft	0	\$9.54	McMaster-Carr Supply Co,		
		5		D3373-7P	Cam Lock receive pcs			5		5	S072956	Inactive	5/22/2018	\$ 8.50 / Ea	0	\$42.50	McMaster-Carr Supply Co,		
		6		8183K6	Wire Guide/Grip			12		12	S073059	Stock	5/22/2018	\$ 9.83 / Ea	0	\$117.96	McMaster-Carr Supply Co,		
		7		EL-PLUG-M	3-Prong Male Spade Plug			25		25	S072957	Stock	5/22/2018	\$ 7.03 / Ea	0	\$175.75	McMaster-Carr Supply Co,		
		8		EL-PLUG-F	3-Prong Female Spade Plug			10		10	S072958	Stock	5/22/2018	\$ 12.23 / Ea	0	\$122.30	McMaster-Carr Supply Co,		
		9		SWA6A-1900	Female Spade Terminal - 1/4"			100		100	S073060	Stock	5/22/2018	\$ 0.07 / Ea	0	\$7.20	McMaster-Carr Supply Co,		
		10	1/4	188-FPSS-1032-	Set Screw					100	S073061	Stock	5/22/2018	\$ 0.11 / Ea	0	\$10.84	McMaster-Carr Supply Co,		
		11		2595K22	Heat Shrink Tube			30		30	S073047	Stock	5/22/2018	\$ 4.70 / Ea	0	\$141.00	McMaster-Carr Supply Co,		

PO No	Supplier Item No	Line Rel Item No	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
	12		7767765	Low-Carbon Steel Round Tube, 0.188" Wall Thickness, 1-3/8" OD Cap receive ea				12		12	S073091	Stock	5/22/2018	\$ 6.17 / ft	0		\$74.00	McMaster-Carr Supply Co.,	
84735K117								50		50	S072959	Stock	5/22/2018	\$ 0.28 / Ea	0		\$13.79	McMaster-Carr Supply Co.,	
90263A112				Shoulder Screw				10		10	S073062	Stock	5/22/2018	\$ 2.40 / Ea	0		\$23.98	McMaster-Carr Supply Co.,	
90576A115				Nylon Insert Locknut				100		100	S073063	Stock	5/22/2018	\$ 0.05 / Ea	0		\$4.68	McMaster-Carr Supply Co.,	
91352A156				Button Head Socket Cap Screw				10		10	S073064	Stock	5/22/2018	\$ 0.54 / Ea	0		\$5.41	McMaster-Carr Supply Co.,	
91306A674								50		50	S072960	Stock	5/22/2018	\$ 0.21 / Ea	0		\$10.54	McMaster-Carr Supply Co.,	
90591A260				M5 x 0.8mm - HEX NUT receive ea				100		100	S073065	Stock	5/22/2018	\$ 0.03 / Ea	0		\$2.69	McMaster-Carr Supply Co.,	
90965A160				Washer receive ea				100		100	S073066	Stock	5/22/2018	\$ 0.05 / Ea	0		\$4.62	McMaster-Carr Supply Co.,	
9263K642				O-Ring receive ea				10		10	S073067	Stock	5/22/2018	\$ 0.57 / Ea	0		\$5.74	McMaster-Carr Supply Co.,	
93441A170				Slotted Unthreaded Spacer				25		25	S073068	Stock	5/22/2018	\$ 0.26 / Ea	0		\$6.54	McMaster-Carr Supply Co.,	
93640A123				Socket Head Cap Screw				20		20	S073069	Stock	5/22/2018	\$ 0.97 / Ea	0		\$19.48	McMaster-Carr Supply Co.,	
93791A424				Flat Head Screw, SS, 3/8", 16 x 1" LG.				30		30	S072961	Stock	5/22/2018	\$ 1.04 / Ea	0		\$31.20	McMaster-Carr Supply Co.,	
93800A650				Hex Nut Color off-white				50		50	S073070	Stock	5/22/2018	\$ 0.17 / Ea	0		\$8.59	McMaster-Carr Supply Co.,	

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO039920

Supplier:	MCM001-VU McMaster-Carr Supply Co., P.O. Box 7690 Chicago, IL 60680-7690 USA Phone: 330 995 5500 Fax: 330 995 9600	PO No:	PO039920
		PO Date:	5/16/18
		Due Date:	5/18/18
		Purchase Order Revision:	
		Revision Date:	
Ship To:	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	Ship-To Contact:	Lavoie, Chantal Phone: clavoie@dartaero.com
		Via:	Ground
		Pymt Terms:	2% 10 Net 30
		Freight Terms:	
		Special Comments:	

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Items											
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price	
1	90177A213	100/pk	Split Ring Zinc-Plated Steel Split Ring 1" OD, 13/16" ID, 1/8" Thick	Firmed	5/18/18	100 Ea	✓ 100x	100 Ea	\$0.1294/Ea	\$12.94	
2	C10-7	98381A544 25/PK	Locating Pin	Firmed	5/18/18	100 pcs	✓ 100x	100 pcs	\$0.2836/pcs	\$28.36	
3	MDELRINR5.000W	8572K38	M-Delrin Round Bar, White	Firmed	5/18/18	3 ft	✓ 3 ft	3 ft	\$144.05/ft	\$432.15	
4	8920K22	6 ft	Low Carbon Steel Rod, 6mm dia., 3' Long receive ea	Firmed	5/18/18	6 ft	✓ 6 ft	6 ft	\$1.59/ft	\$9.54	
5	D3373-7P		Cam Lock receive pcs	Firmed	5/18/18	5 Ea	✓ 5x	5 Ea	\$8.50/Ea	\$42.50	

Line Item Note KEY ALIKE MC MASTER P/N: 1770A725

6	8183K6	1/pk	Wire Guide/Grip	Firmed	5/18/18	12 Ea	✓ 12x	12 Ea	\$9.83/Ea	\$117.96
7	EL-PLUG-M	7216k5 1/pk color yellow	3-Prong Male Spade Plug	Firmed	5/18/18	25 Ea	✓ 25x	25 Ea	\$7.03/Ea	\$175.75
8	EL-PLUG-F	7216k6 1/pk color yellow	3-Prong Female Spade Plug	Firmed	5/18/18	10 Ea	✓ 10x	10 Ea	\$12.23/Ea	\$122.30
9	SWA6A-1900	69525K16 100 pcs per pk	Female Spade Terminal - 1/4"	Firmed	5/18/18	100 Ea	✓ 100x	100 Ea	\$0.072/Ea	\$7.20
10	188-FPSS-1032-1/4	94355A330 25/pk	Set Screw	Firmed	5/18/18	100 Ea	✓ 100x	100 Ea	\$0.1084/Ea	\$10.84

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Items											
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price	
11	2595K22	1/pk	Heat Shrink Tube	Firmed	5/18/18	30 Ea	30 Ea	30 Ea	\$4.70/Ea AT 18/05/22	\$141.00	
12	7767T65	6 ft	Low-Carbon Steel Round Tube, 0.188" Wall Thickness, 1-3/8" OD	Firmed	5/18/18	12 ft	0 ft	12 ft	\$6.16666/ft AT 18/05/22	\$74.00	
Line Item Note 2 PCS OF 6 FT											
13	84735K117	50/pk	Cap receive ea	Firmed	5/18/18	50 Ea	50 Ea	50 Ea	\$0.2758/Ea AT 18/05/22	\$13.79	
14	8547K45		Tube ALT. P/N 8547K893 receive ea	Firmed	5/18/18	60 Ea	0 Ea	60 Ea	\$34.25/Ea	\$2,055.00	
15	90263A112	5/pk	Shoulder Screw	Firmed	5/18/18	10 Ea	0 Ea	10 Ea	\$2.398/Ea AT 18/05/22	\$23.98	
16	90576A115	100/pk	Nylon Insert Locknut	Firmed	5/18/18	100 Ea	100 Ea	100 Ea	\$0.0468/Ea AT 18/05/22	\$4.68	
17	91352A156	10/pk	Button Head Socket Cap Screw	Firmed	5/18/18	10 Ea	0 Ea	10 Ea	\$0.541/Ea AT 18/05/22	\$5.41	
18	91306A674	50/pk	Button Head Socket Cap Screw	Firmed	5/18/18	50 Ea	50 Ea	50 Ea	\$0.2108/Ea AT 18/05/22	\$10.54	
19	90591A260	100/pk	M5 x 0.8mm - HEX NUT receive ea	Firmed	5/18/18	100 Ea	100 Ea	100 Ea	\$0.0269/Ea AT 18/05/22	\$2.69	
20	90965A160	100/pk	Washer receive ea	Firmed	5/18/18	100 Ea	100 Ea	100 Ea	\$0.0462/Ea AT 18/05/22	\$4.62	
21	9263K642	10/pk	O-Ring receive ea	Firmed	5/18/18	10 Ea	0 Ea	10 Ea	\$0.574/Ea AT 18/05/22	\$5.74	
22	93441A170	25/pk	Slotted Unthreaded Spacer	Firmed	5/18/18	25 Ea	25 Ea	25 Ea	\$0.2616/Ea AT 18/05/22	\$6.54	
23	93640A123	10/pk	Socket Head Cap Screw	Firmed	5/18/18	20 Ea	20 Ea	20 Ea	\$0.974/Ea AT 18/05/22	\$19.48	
24	93791A424	5/pk	Flat Head Screw, SS, 3/8"-16 x 1" LG.	Firmed	5/18/18	30 Ea	0 Ea	30 Ea	\$1.04/Ea AT 18/05/22	\$31.20	
25	93800A650	50/pk	Hex Nut Color off-white	Firmed	5/18/18	50 Ea	50 Ea	50 Ea	\$0.1718/Ea AT 18/05/22	\$8.59	
26	94355A227	50/pk	18-8 Stainless Steel Flat-Tip Set Screw	Firmed	5/18/18	50 Ea	50 Ea	50 Ea	\$0.096/Ea AT 18/05/22	\$4.80	
27	96194A102	100/pk	Serrated Flange Locknut	Firmed	5/18/18	100 Ea	0 Ea	100 Ea	\$0.0673/Ea AT 18/05/22	\$6.73	
28	97245A453	10/pk	Pin	Firmed	5/18/18	20 pcs	0 pcs	20 pcs	\$1.443/pcs AT 18/05/22	\$28.86	

Items											
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price	
29	98338A280	50/pk	Cotter Pin	Firmed	5/18/18	50 pcs	0 pcs 50x	50 pcs	\$0.4688/pcs <i>At 185/22</i>	\$23.44	
30	AGD-2	2092A42 1/pk	1" Dial Indicator 0" to 1" Range	Firmed	5/18/18	1 Ea	0 Ea	1 Ea	\$90.45/Ea	\$90.45	
31	C2-5-1	90145A509 20/PK	Actuator Stop	Firmed	5/18/18	20 Ea	0 Ea 20x	20 Ea	\$0.3885/Ea <i>At 185/22</i>	\$7.77	
Grand Total:											\$3,528.85

Order Notes
<p>Procurement Quality Clauses</p> <p>A005 RIGHT OF ENTRY</p> <p>A016 PERSONNEL QUALIFICATION</p> <p>A026 CERTIFICATION OF MATERIAL CONFORMANCE</p> <p>A032 DOCUMENT SPECIAL REQUIREMENTS</p> <p>A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS</p> <p>A040 NOTIFICATION OF QUALITY ESCAPE</p> <p>A041 QUALITY MANAGEMENT SYSTEM</p> <p>A042 DART NOTIFICATION BY SUPPLIER</p> <p>A043 RETENTION OF QUALITY DOCUMENTS</p> <p>A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM</p> <p>A049 SUPPLIER AWARENESS</p> <p><i>CL</i> <i>DL</i></p>

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dart aerospace.com for further explanation.

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Purchase Order
PO039920
Order Placed By
Chantal Lavoie
McMaster-Carr Number
3695508-04

Page 1 of 2
05/16/2018

Packing List

Line	Product	Ordered	Shipped
1	90177A213 Zinc-Plated Steel Split Rings, 9/16" OD, 7/16" ID, 1/16" Thick, Packs of 100	1 Pack	1
2	98381A544 Dowel Pin, Alloy Steel, 1/4" Diameter, 1-1/4" Long, Packs of 25	4 Packs	4
5	1770A725 Zinc Keyed Cam Lock, Nickel-Plated, Key #C420A for 1-7/16" Maximum Thickness, Clockwise	5 Each	5
6	8183K6 Brass Submersible Cord Grip, Metric Threads, for 0.12"-0.2" Cord OD, M8 Knockout Size	12 Each	12
7	7216K5 Straight-Blade Connector, Hinged, 3-Blade Plug, Grounded, NEMA 5-15, Yellow	25 Each	25
8	7216K6 Straight-Blade Connector, Hinged, 3-Slot Socket, Grounded, NEMA 5-15, Yellow	10 Each	10
9	69525K16 Noninsulated Quick-Disconnect Terminals, Single-Crimp Female, 16-14 Gauge, 1/4" Wide x 0.032" Thick Tab, Packs of 100	1 Pack	1
10	94355A330 18-8 Stainless Steel Flat-Tip Set Screws, 10-32 Thread, 1/4" Long, Packs of 25	4 Packs	4
11	2595K22 Fuel-Resistant Ultra-Flex Heat-Shrink Tubing, 0.19" ID Before Shrinking, 1/2 Feet Long	30 Each	20
13	84735K117 Flexible Vinyl High-Temperature Push-on Round Caps for 1"-1-1/16" OD, 1-1/2" Inside Height, Packs of 50	1 Pack	1
15	90263A112 316 Stainless Steel Precision Shoulder Screw, 3mm Diameter 3mm Long Shoulder, M2 x 0.4mm Thread	10 Each	10
16	90576A115 Medium-Strength Steel Nylon-Insert Locknut, Class 8, Zinc-Plated, M6 x 1 mm Thread, Packs of 100	1 Pack	1
17	91352A156 Alloy Steel Button Head Hex Drive Screws, Blue-Dyed Zinc-Plated, M8 x 1.25 mm Thread, 30 mm Long, Packs of 10	1 Pack	1
18	91306A674 Button Head Hex Drive Screws, Zinc-Plated Alloy Steel, M6 x 1 mm Thread, 25 mm Long, Packs of 50	1 Pack	1
19	90591A260 Zinc-Plated Steel Hex Nut, Medium-Strength, Class 8, M5 x 0.8 mm Thread, Packs of 100	1 Pack	1
20	90965A160 316 Stainless Steel Washer for M5 Screw Size, 5.3 mm ID, 10 mm OD, Packs of 100	1 Pack	1
21	9263K642 Chemical-Resistant Viton Fluoroelastomer O-Ring, 1.9 mm Wide, 7.8 mm ID, Packs of 10	1 Pack	1
22	93441A170 Slotted Unthreaded Spacers, 1/4" OD, 1/4" Long, Packs of 25	1 Pack	1
23	93640A123 Nylon Socket Head Screw, M8 x 1.25 mm Thread, 35 mm Long, Packs of 10	2 Packs	2

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
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Canada

Purchase Order
PO039920
Order Placed By
Chantal Lavoie

Page 2 of 2
05/16/2018

McMaster-Carr Number
3695508-04

Line	Product	Ordered	Shipped
24	93791A424 Black-Oxide 18-8 Stainless Steel Hex Drive Flat Head Screws, 3/8"-16 Thread Size, 1" Long, Packs of 5	6 Packs	6 ()
25	93800A650 Nylon Hex Nut, M8 x 1.25 mm Thread, Off-White, Packs of 50	1 Pack	1 ()
26	94355A227 18-8 Stainless Steel Flat-Tip Set Screws, 10-24 Thread, 1/2" Long, Packs of 50	1 Pack	1 ()
27	96194A102 Medium-Strength Steel Serrated Flange Locknut, Class 8, Zinc-Plated, M8 x 1.25 mm Thread, Packs of 100	1 Pack	1 ()
28	97245A453 Zinc-Plated Steel Clevis Pin, 5/8" Diameter, 1-1/2" Usable Length, Packs of 10	2 Packs	2 ()
29	98338A280 Zinc-Plated Steel Cotter Pins, 3/16" Diameter, 2" Long, Packs of 50, 50 Each Package	1 Pack	1 ()
31	90145A509 18-8 Stainless Steel Dowel Pin, 3/16" Diameter, 7/8" Long, Packs of 20	1 Pack	1 ()

Shipped separately from our New Jersey warehouse on 05/16

11	2595K22 Fuel-Resistant Ultra-Flex Heat-Shrink Tubing, 0.19" ID Before Shrinking, 1/2 Feet Long	30 Each	10
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Expected to ship

14	8547K893 Tube Made From PTFE, 1" OD X 1/2" ID	60 Feet	60 May 22-30
30	2092A42 Plunger-Style Variance Indicator, Plus/Minus Dial, Plain, 0" to 1" Range, AGD Group 2	1 Each	1 May 22-Jun 6



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Page 1 of 3
05/16/2018

McMaster-Carr Number
3695508-01

Line	Product	Ordered	Shipped
11	2595K22 Fuel-Resistant Ultra-Flex Heat-Shrink Tubing, 0.19" ID Before Shrinking, 1/2 Feet Long	30 Each	10 ()

Shipped separately from our Cleveland warehouse on 05/16

1	90177A213 Zinc-Plated Steel Split Rings, 9/16" OD, 7/16" ID, 1/16" Thick	1 Pack	1
2	98381A544 Dowel Pin, Alloy Steel, 1/4" Diameter, 1-1/4" Long	4 Packs	4
3	8572K38 White Delrin Acetal Resin Rod, 5" Diameter, 3' Length	3 Feet	3
4	8920K22 Low-Carbon Steel Rod, 6 mm Diameter, 6 Feet Long	1 Each	1
5	1770A725 Zinc Keyed Cam Lock, Nickel-Plated, Key #C420A for 1-7/16" Maximum Thickness, Clockwise	5 Each	5
6	8183K6 Brass Submersible Cord Grip, Metric Threads, for 0.12"-0.2" Cord OD, M8 Knockout Size	12 Each	12
7	7216K5 Straight-Blade Connector, Hinged, 3-Blade Plug, Grounded, NEMA 5-15, Yellow	25 Each	25
8	7216K6 Straight-Blade Connector, Hinged, 3-Slot Socket, Grounded, NEMA 5-15, Yellow	10 Each	10
9	69525K16 Noninsulated Quick-Disconnect Terminals, Single-Crimp Female, 16-14 Gauge, 1/4" Wide x 0.032" Thick Tab	1 Pack	1
10	94355A330 18-8 Stainless Steel Flat-Tip Set Screws, 10-32 Thread, 1/4" Long	4 Packs	4
11	2595K22 Fuel-Resistant Ultra-Flex Heat-Shrink Tubing, 0.19" ID Before Shrinking, 1/2 Feet Long	30 Each	20
12	7767T65 Low-Carbon Steel Round Tube, 0.188" Wall Thickness, 1-3/8" OD, 6 Feet Long	2 Each	2

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
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Dart Aerospace Ltd
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Canada

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Order Placed By
Chantal Lavoie

Page 2 of 3
05/16/2018

Line	Description	Ordered	Shipped
13	84735K117 Flexible Vinyl High-Temperature Push-on Round Caps for 1"-1-1/16" OD, 1-1/2" Inside Height	1 Pack	1
15	90263A112 316 Stainless Steel Precision Shoulder Screw, 3mm Diameter 3mm Long Shoulder, M2 x 0.4mm Thread	10 Each	10
16	90576A115 Medium-Strength Steel Nylon-Insert Locknut, Class 8, Zinc-Plated, M6 x 1 mm Thread	1 Pack	1
17	91352A156 Alloy Steel Button Head Hex Drive Screws, Blue-Dyed Zinc-Plated, M8 x 1.25 mm Thread, 30 mm Long	1 Pack	1
18	91306A674 Button Head Hex Drive Screws, Zinc-Plated Alloy Steel, M6 x 1 mm Thread, 25 mm Long	1 Pack	1
19	90591A260 Zinc-Plated Steel Hex Nut, Medium-Strength, Class 8, M5 x 0.8 mm Thread	1 Pack	1
20	90965A160 316 Stainless Steel Washer for M5 Screw Size, 5.3 mm ID, 10 mm OD	1 Pack	1
21	9263K642 Chemical-Resistant Viton Fluoroelastomer O-Ring, 1.9 mm Wide, 7.8 mm ID	1 Pack	1
22	93441A170 Slotted Unthreaded Spacers, 1/4" OD, 1/4" Long	1 Pack	1
23	93640A123 Nylon Socket Head Screw, M8 x 1.25 mm Thread, 35 mm Long	2 Packs	2
24	93791A424 Black-Oxide 18-8 Stainless Steel Hex Drive Flat Head Screws, 3/8"-16 Thread Size, 1" Long	6 Packs	6
25	93800A650 Nylon Hex Nut, M8 x 1.25 mm Thread, Off-White	1 Pack	1
26	94355A227 18-8 Stainless Steel Flat-Tip Set Screws, 10-24 Thread, 1/2" Long	1 Pack	1
27	96194A102 Medium-Strength Steel Serrated Flange Locknut, Class 8, Zinc-Plated, M8 x 1.25 mm Thread	1 Pack	1

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200 Aurora Industrial Pkwy
Aurora OH 44202-8087
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Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO039920
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Chantal Lavoie

Page 3 of 3
05/16/2018

McMaster-Carr Number
3695508-01

Line	Description	Ordered	Shipped
28	97245A453 Zinc-Plated Steel Clevis Pin, 5/8" Diameter, 1-1/2" Usable Length	2 Packs	2
29	98338A280 Zinc-Plated Steel Cotter Pins, 3/16" Diameter, 2" Long	1 Pack	1
31	90145A509 18-8 Stainless Steel Dowel Pin, 3/16" Diameter, 7/8" Long	1 Pack	1

Expected to ship

14	8547K893 Tube Made From PTFE, 1" OD X 1/2" ID	60 Feet	May 22-30
30	2092A42 Plunger-Style Variance Indicator, Plus/Minus Dial, Plain, 0" to 1" Range, AGD Group 2	1 Each	May 22-Jun 6



McMASTER-CARR®

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
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Dart Aerospace Ltd
1270 Aberdeen St
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Canada

Packing List

Purchase Order
PO039920

Page 1 of 1

Order Placed By
Chantal Lavoie

05/16/2018

McMaster-Carr Number
3695508-02

Line	Product	Ordered	Shipped
3	8572K38 White Delrin Acetal Resin Rod, 5" Diameter, 3' Length	3 Feet	3 Feet

Shipped separately from our New Jersey warehouse on 05/16

11	2595K22 Fuel-Resistant Ultra-Flex Heat-Shrink Tubing, 0.19" ID Before Shrinking, 1/2 Feet Long	30 Each	10
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Expected to ship

14	8547K893 Tube Made From PTFE, 1" OD X 1/2" ID	60 Feet	60 May 22-30
30	2092A42 Plunger-Style Variance Indicator, Plus/Minus Dial, Plain, 0" to 1" Range, AGD Group 2	1 Each	1 May 22-Jun 6



McMASTER-CARR®

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Purchase Order
PO039920

Page 1 of 1

Order Placed By
Chantal Lavoie

05/16/2018

McMaster-Carr Number
3695508-03

Line	Product	Ordered	Shipped
4	8920K22 Low-Carbon Steel Rod, 6 mm Diameter, 6 Feet Long	1 Each	1
12	7767T65 Low-Carbon Steel Round Tube, 0.188" Wall Thickness, 1-3/8" OD, 6 Feet Long	2 Each	2

Shipped separately from our New Jersey warehouse on 05/16

11	2595K22 Fuel-Resistant Ultra-Flex Heat-Shrink Tubing, 0.19" ID Before Shrinking, 1/2 Feet Long	30 Each	10
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Expected to ship

14	8547K893 Tube Made From PTFE, 1" OD X 1/2" ID	60 Feet	60 May 22-30
30	2092A42 Plunger-Style Variance Indicator, Plus/Minus Dial, Plain, 0" to 1" Range, AGD Group 2	1 Each	1 May 22-Jun 6

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 7767765
 DATE: MAY 22 2018

PO / BATCH NO.: 039920/5073091

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.188 w.
 THICKNESS RECEIVED: 0.188 w
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N <input type="radio"/>	7767765
CORRECT THICKNESS	Y <input checked="" type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N <input type="radio"/>	P.1039920 Part#7767765
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>11</u> <u>9-88</u> DATE: <u>MAY 22 2018</u>	SIGNED OFF BY: _____
	DATE: _____

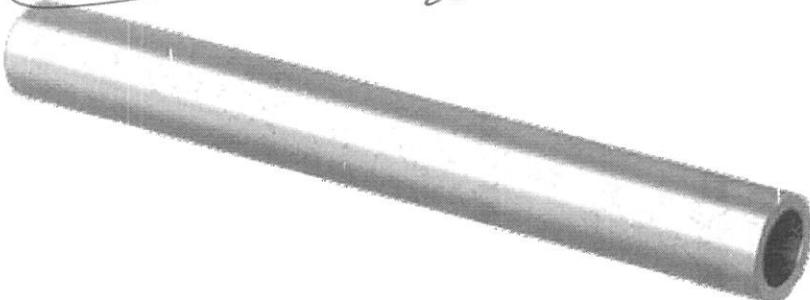
Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

McMASTER-CARR®

Low-Carbon Steel Round Tube

0.188" Wall Thickness, 1-3/8" OD

7767T65



Material	Low-Carbon Steel
Cross Section Shape	Round
Construction	Hollow
Appearance	Plain
Wall Thickness	0.188"
Tolerance Rating	Oversized
OD	1 3/8"
OD Tolerance	0" to 0.005"
ID	1"
Yield Strength	45,000 psi
Fabrication	Cold Worked
Temper Rating	Hardened
Hardness	Rockwell B60
Hardness Rating	Medium
Heat Treatable	Yes
Maximum Hardness after Heat Treatment	Not Rated
Temperature Range	Not Rated
Specifications Met	ASTM A513
Straightness Tolerance	Not Rated

Density	0.28 lbs./cu. in.
Surface Resistivity	15 microhm- cm @ 32° F
Thermal Conductivity	350 Btu/hr. × in./sq. ft./°F @ 212° F
Coefficient of Thermal Expansion	7.1 × 10 ⁻⁶
Elongation	23%
Material Composition	
Iron	98.06- 99.42%
Carbon	0.13-0.20%
Manganese	0.30-0.90%
Phosphorus	0.04% Max.
Silicon	0.15-0.30%
Sulfur	0.50% Max.
Length	1 ft., 3 ft., 6 ft.
RoHS	Compliant

Low-carbon steel offers good machinability with excellent weldability. It's widely used for parts that don't require high strength, such as fixture clamps, mounting plates, and spacers. This material can be surface hardened with heat treating.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 8920K22
 DATE: MAY 22 2018

PO / BATCH NO.: 039920/8073090

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 6
 QUANTITY INSPECTED: 6
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 6mm
 THICKNESS RECEIVED: 6mm
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N <input type="radio"/>	8920K22
CORRECT THICKNESS	Y <input checked="" type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N <input type="radio"/>	PO#039920 Part#8920K22
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS</u> <u>11</u>	SIGNED OFF BY:	
DATE:	<u>9-89</u> <u>MAY 22 2018</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Low-Carbon Steel Rod

6 mm Diameter

\$9.54 Each
8920K22



Material	Low-Carbon Steel
Cross Section	Round
Shape	Solid
Construction	Plain
Diameter	6 mm
Diameter Tolerance	-0.05 to 0 mm
Tolerance Rating	Undersized
Yield Strength	60,000 psi
Fabrication	Cold Worked
Temper Rating	Hardened
Hardness	Rockwell B85
Hardness Rating	Medium
Heat Treatable	Yes
Maximum Hardness after Heat Treatment	Not Rated
Temperature Range	Not Rated
Specifications Met	ASTM A108
Straightness Tolerance	Not Rated
Density	0.28 lbs./cu. in.
Surface Resistivity	15.9 microhm-cm @ 32° F
Thermal Conductivity	350 Btu/hr. × in./sq. ft./°F @ 212° F
Coefficient of Thermal Expansion	7.1×10^{-6}
Elongation	23%
Material Composition	
Iron	98.06-99.42%
Carbon	0.13-0.20%
Manganese	0.30-0.90%
Phosphorus	0.04% Max.
Silicon	0.15-0.30%
Sulfur	0.50% Max.
Length Tolerance	-2" to 2"
Length	6 ft.
RoHS	Compliant

Low-carbon steel offers good machinability with excellent weldability. It's widely used for parts that don't require high strength, such as fixture clamps, mounting plates, and spacers. This material can be surface hardened with heat treating.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M00/rivR5.000W
 DATE: MAY 22 2018

PO / BATCH NO.: 039920/5073092

MATERIAL CERT REC'D: YES,
 QUANTITY RECEIVED: 3,
 QUANTITY INSPECTED: 3,
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 5.000W
 THICKNESS RECEIVED: 5.125
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Delrin Acetal</i>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Part#039920 Part# Delrin R5.000W/8572X38</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>9-89</u> <u>MAY 22 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

White Delrin® Acetal Resin Rod

5" Diameter



Delivers tomorrow 10-12 pm
\$432.15 Each
8572K38

Material	Delrin® Acetal Plastic
Cross Section	Round
Shape	Round
Construction	Solid
Texture	Smooth
Color	White
Clarity	Opaque
Diameter	5"
Diameter	0" to +0.250"
Tolerance	Oversized
Tolerance Rating	3 ft.
Length	Rockwell M90
Hardness	Hard
Hardness Rating	No
For Use Outdoors	-20° to 180° F
Temperature Range	1.00 ft.-lbs./in.
Impact Strength	Good
Impact Strength Rating	9,000 psi
Tensile Strength	Good
Tensile Strength Rating	ASTM D6100, NSF/ANSI Standard 51 for Food Contact, NSF/ANSI Standard 61 for Drinking Water
Specifications Met	0.051 lbs./cu. in.
Density	0.20
Coefficient of Friction	435 V/mil
Dielectric Strength	0.30%
Water Absorption	8.5×10^{-5} in./in./°F
Coefficient of Thermal Expansion	Compliant
RoHS	